

Maximun Ratings and Electrical Characteristics at 25°C

		HER103SG	HER105SG	HER106SG	HER107SG	HER108SG
Marking Code		HER103SG	HER105SG	HER106SG	HER107SG	HER108SG
V_{RRM}	Maximum Recurrent Peak Reverse Voltage (V)	200	400	600	800	1000
V _{RMS}	Maximum RMS Voltage (V)	140	280	420	560	700
V _{DC}	Maximum DC Blocking Voltage (V)	200	400	600	800	1000
I _{F(AV)}	Maximum Average Forward Rectified Current 9.5mm Lead Length @ T _A = 55 °C	1.0 A				
I _{FSM}	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	30 A				
V_F	Maximum Instantaneous Forward Voltage at 1.0A (Note 1)	1.0 V 1.3 V 1.7 V				
I _R	Maximum DC Reverse Current @ T _A = 25 °C at Rated DC Blocking Voltage @ T _A = 125 °C	5.0 μA 150 μA				
T _{rr}	Maximum Reverse Recovery Time from $I_F = 0.5A$; $I_R = 1A$; $I_{RR} = 0.25A$	50 nS 75 nS				
C _j	Typical Junction Capacitance at 1 MHz and reverse voltage of 4V _{DC}	20 pF 15 pF				
R _{th (j-a)}	Typical Thermal Resistance (Note 2)	90 °C/W				
Tj	Operating Temperature Range	-65 to + 150 °C				
T_{stg}	Storage Temperature Range	-65 to + 150 °C				

Notes: 1. Pulse Test: 300µ Pulse Width, 1% Duty Cycle 2. Mount on Cu-Pad size 5mm x 5mm on PCB.

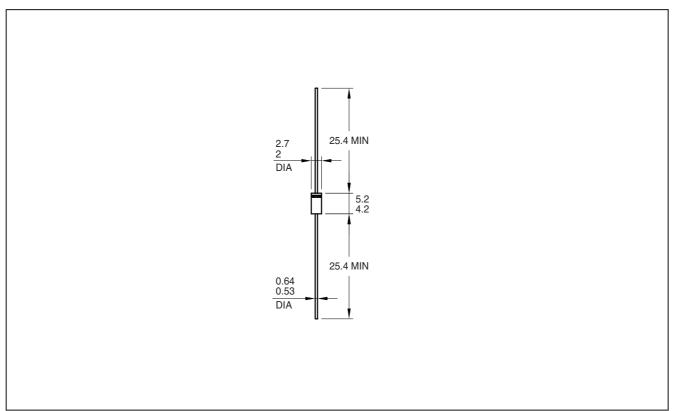
www.fagorelectronica.com Document Name: her1sq



Ordering information

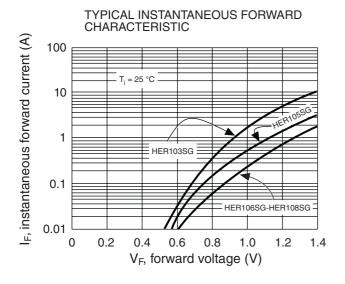
PREFERRED P/N	PACKAGE CODE	DELIVERY MODE	BASE QUANTITY	UNIT WEIGHT (g)
HER105SG AMP	AMP	AMMO BOX	5,000	0.22
HER105SG TR	TR	14" diameter tape and reel	3,000	0.22

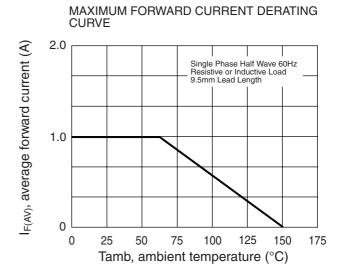
Package Outline Dimensions: (mm) A-405

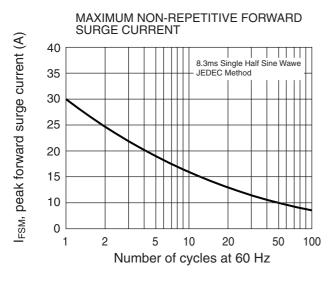


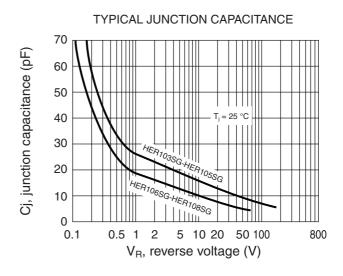


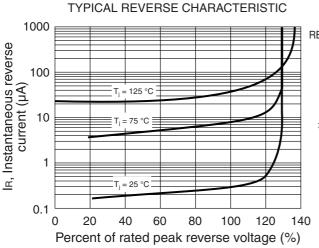
Ratings and Characteristics (Ta 25 °C unless otherwise noted)

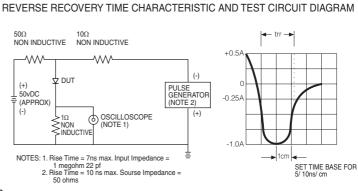














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